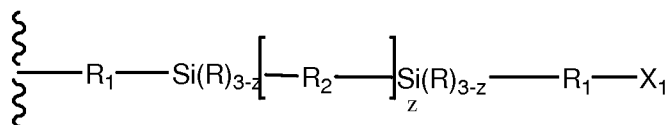



In the claims:

1. (Canceled)

2. (Currently Amended) A composite article comprising a polyolefin layer, a tie-layer, and a non-polyolefin, wherein said tie-layer comprises:



wherein  represents a polyolefin segment;

R₁ independently for each occurrence represents an bivalent organic moiety or a bond;

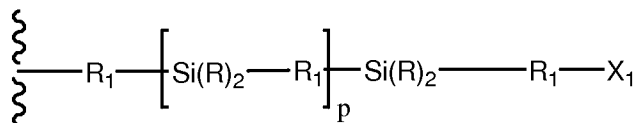
R₂ independently for each occurrence represents an bivalent organic moiety, or a bond;

R is selected independently for each occurrence ~~represents an organic moiety from the group consisting of H, alkyl, alkenyl, alkynyl, halogen, aralkyl, aryl, polycyclyl, and carbocycles;~~

X₁ independently for each occurrence represents a moiety that is capable of bonding to said non-polyolefin by a chemical reaction; and

z represents the number of linkages between the Si(R)_{3-z} moieties, and is an integer from 1 to 3.

3. (Currently Amended) A composite article comprising a polyolefin layer, a tie-layer, and a non-polyolefin, wherein said tie-layer comprises:



wherein  represents a polyolefin segment;

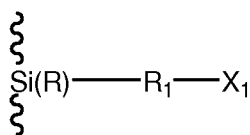
R₁ independently for each occurrence represents an bivalent organic moiety or a bond;

R is selected independently for each occurrence ~~represents an organic moiety from the group consisting of H, alkyl, alkenyl, alkynyl, halogen, aralkyl, aryl, polycyclyl, and carbocycles;~~

X₁ independently for each occurrence represents a moiety that is capable of bonding to said non-polyolefin by a chemical reaction; and

p is an integer from 0 to about 1000.

4. (Currently Amended) A composite article comprising a polyolefin layer, a tie-layer, and a non-polyolefin, wherein said tie-layer comprises



wherein  represents a polyolefin segment;

R₁ independently for each occurrence represents an bivalent organic moiety or a bond;

R is selected independently for each occurrence ~~represents an organic moiety from the group consisting of H, alkyl, alkenyl, alkynyl, halogen, aralkyl, aryl, heterocyclyl, polycyclyl, and carbocycles;~~ and

X₁ independently for each occurrence represents a moiety that is capable of bonding to said non-polyolefin moiety by a chemical reaction;

5. (Canceled)

6. (Canceled)

7. (Currently Amended) The composite article of claim 2, wherein for each occurrence, R₁ and R₂ are selected independently from the group consisting of an aliphatic moiety, alkyl, alkenyl, and alkynyl, -O-, -O-aliphatic-, ~~alkoxy~~, aryl, polycyclyl, carbocycles, and a bond.
8. (Currently Amended) The composite article of claim 2, wherein R₂ for each occurrence independently represents an ~~acetyl moiety, alkyl ether, arylother~~, -O-aliphatic-, -O-, or a bond.
9. (Canceled)
10. (Canceled)
11. (Currently Amended) The composite article of claim 7 ~~40~~, wherein z is 1.
12. (Currently Amended) The composite article of claim 7 ~~40~~, wherein z is 2.
13. (Currently Amended) The composite article of claim 7 ~~40~~, wherein z is 3.
14. (Canceled)
15. (Previously Presented) The composite article of claim 2, wherein X₁ comprises a vinyl, epoxy or amine moiety.
16. (Canceled)
17. (Currently Amended) The composite article of claim 3 ~~46~~, wherein R is -O-alkyl or -O-H.
18. (Currently Amended) The composite article of claim 3, wherein R₁ is selected independently, for each occurrence, from the group consisting of ~~alkyl, alkenyl, and alkynyl~~, an aliphatic moiety, -O-aliphatic-, -O-, ~~alkoxy~~, aryl, heterocyclyl, polycyclyl, carbocycles, and a bond.
19. (Canceled)

20. (Currently Amended) The composite article of claim 3~~4~~⁹, wherein X₁ comprises a vinyl, epoxy or amine moiety.
21. (Currently Amended) The composite article of claim 4, wherein for each occurrence, R₁ is selected independently from the group consisting of ~~alkyl, alkenyl, and alkynyl,~~ -O-, alkoxy, aryl, an aliphatic moiety, -O-aliphatic-, heterocyclyl, polycyclyl, carbocycles, and a bond.
22. (Canceled).
23. (Currently Amended) The composite article of claim 4~~22~~, wherein X₁ comprises a vinyl, epoxy or amine moiety.
24. (Previously Presented) A composite tube, comprising the composite article of claim 2.
25. (Canceled)
- 26-28. (Canceled)